

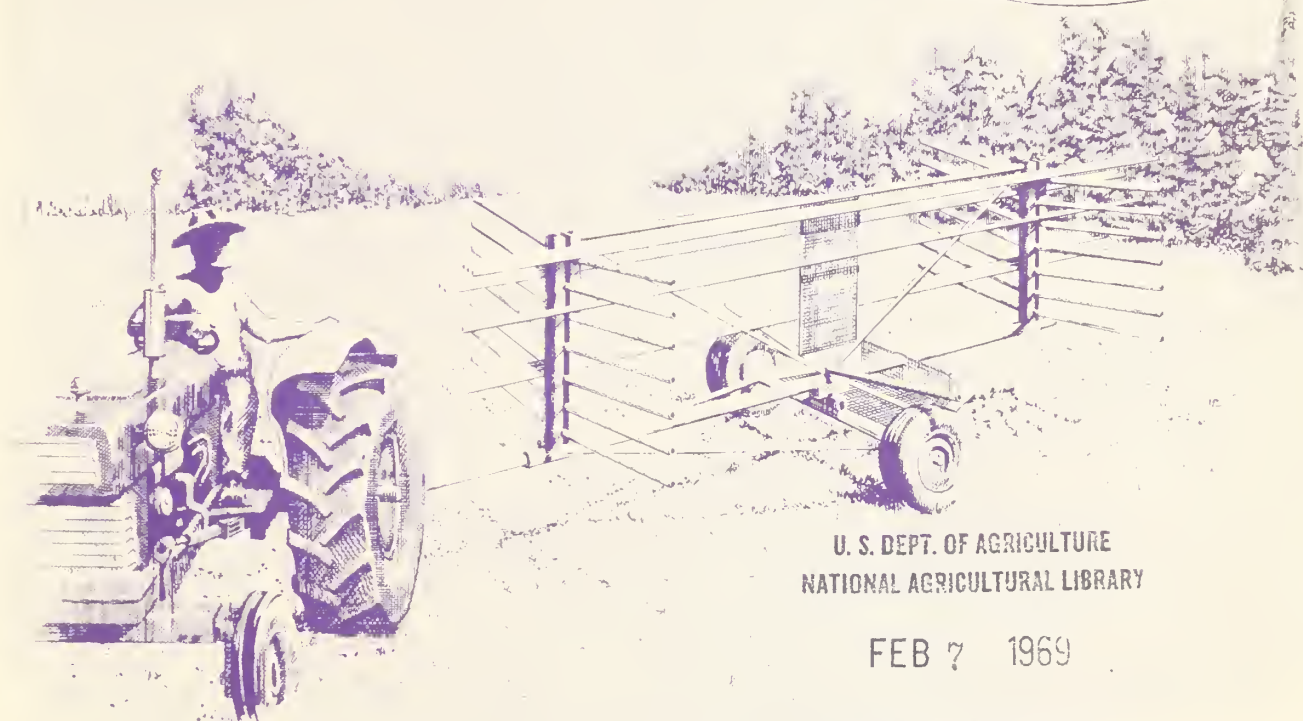
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# Sprinkler Pipe TRAILER

COOPERATIVE  
FARM BUILDING  
Plan No. 6046  
(1 SHEET)  
PLAN EXCHANGE



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CURRENT SERIAL RECORDS

This two-wheeled trailer was designed for convenience and maneuverability in transporting sprinkler pipe for irrigation. The tongue can be connected to either end of the trailer, thus reducing the number of vehicle turnarounds required. The use of airplane tires and wheels or other high-flotation tires is suggested for easy movement of the trailer on soft or rough ground.

The plans provide for constructing the trailer to suit both the diameter and the length of the sprinkler pipe that will be carried. A table on the working drawing gives the trailer dimensions to be used for each standard pipe size.

The trailer is constructed primarily of steel pipe, with steel channel uprights supporting the racks. High quality welding is important here. The rack is padded with sections of plastic hose.

To inhibit rust, all steel parts should have a prime coat of metallic zinc dust and zinc oxide base paint, with a finish coat of zinc paint or other metal paint.

If desired, this design can also serve as a guide for constructing a rack for storing sprinkler pipe during the winter season. Storing the pipe off the ground and free of water helps prevent corrosion.

*A large scale working drawing may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.*

*If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.*

ORDER PLAN NO. 6046, SPRINKLER PIPE TRAILER

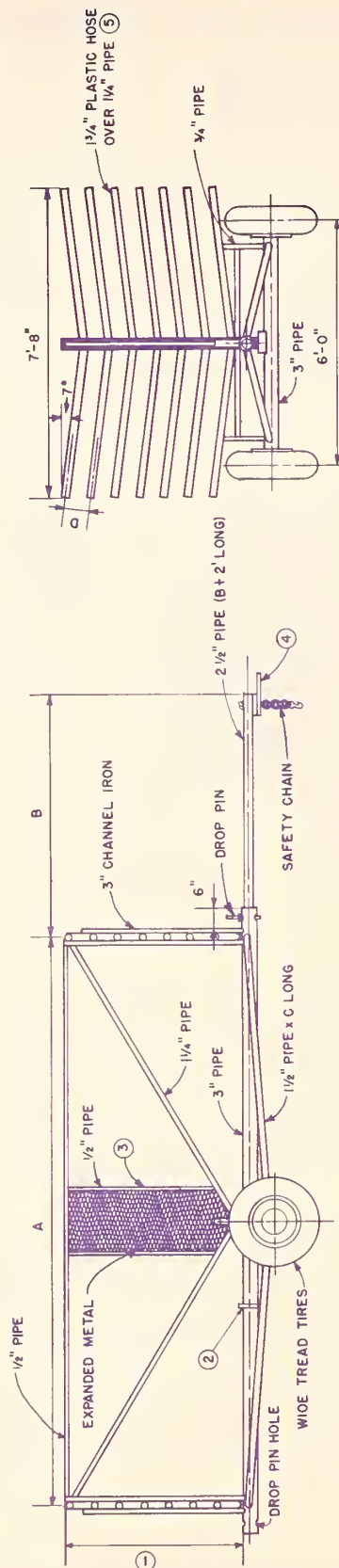
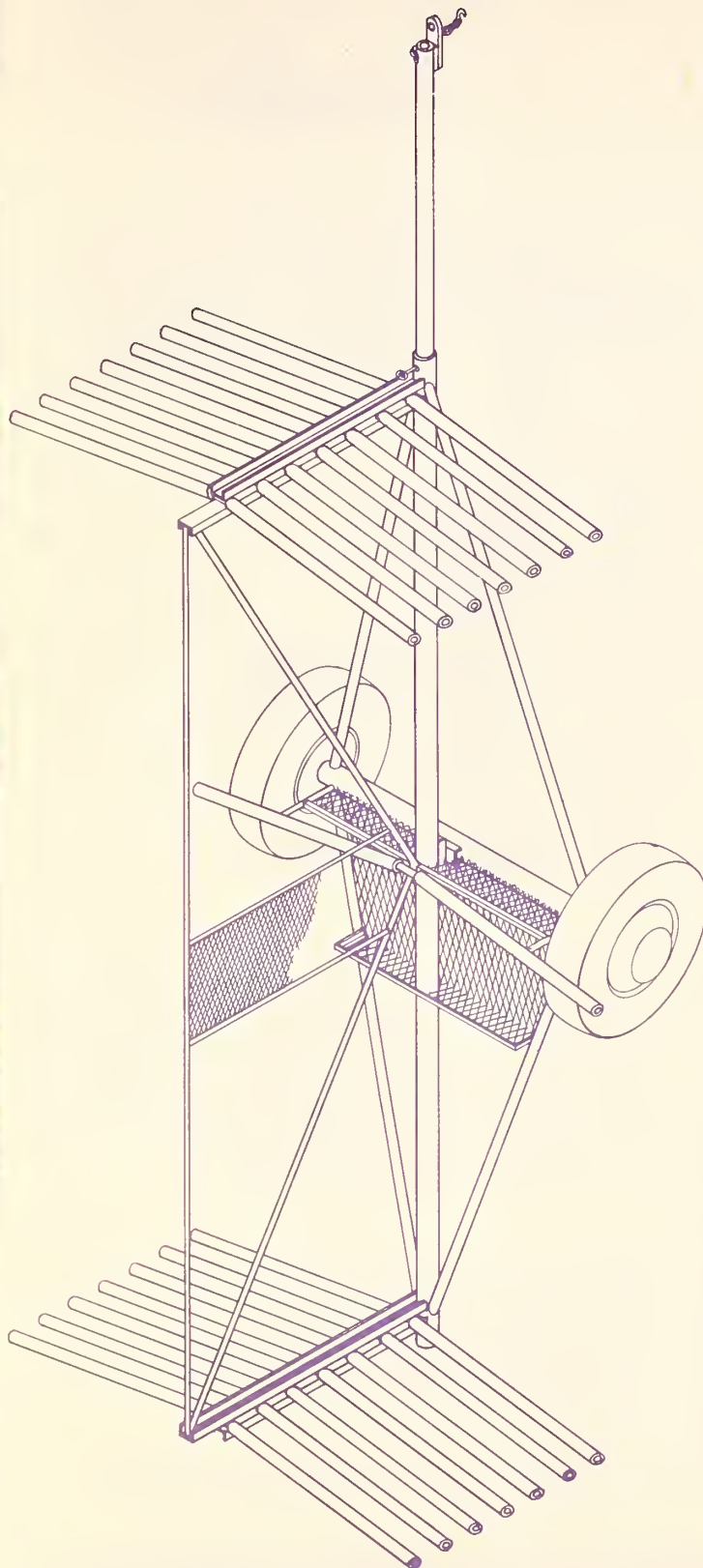
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TYPICAL SECTION

SIDE VIEW

KEY:

1. RACK HEIGHT IS DETERMINED BY SPRINKLER PIPE SIZE AND THE NUMBER OF TIERS REQUIRED.
2. BASKET, FOR CARRYING SPRINKLER HEADS OR OTHER LOOSE OBJECTS, IS MADE FROM  $1\frac{1}{2}$ " ANGLE IRON AND EXPANDED METAL.
3. BAFFLE NEEDED ONLY FOR SPRINKLER PIPE USING CENTER RISERS.
4. POSITION HITCH SO THAT TRAILER RIDES LEVEL WHEN TOWED.
5. CUT  $1\frac{1}{4}$ " PIPE 7'-8" LONG, BEND  $14^\circ$  AT CENTER, AND WELD BETWEEN CHANNELS.

PIPE LENGTH (FT.)	PIPE DIAMETER (IN.)
20	30
14	18
6	9
7-4	9-3
0	0

Agricultural Engineering Research Division  
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